

GenCore version 5.1.7  
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## OM protein - protein search, using sw model

Run on: March 16, 2006, 15:33:20 ; Search time 47 Seconds  
 (without alignments)  
 51.013 Million cell updates/sec

Title: US-10-600-389a-3

Perfect score: 145

Sequence: 1 MKSFITRKNKTAAILATVAATGAIAGAYYY 29

Scoring table: BL2SUM62

Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 45 summaries

Database : Issued\_Patents\_AA.\*

1: /cgm2\_6/ptodata/1/iaa/5\_COMB.pep:\*

2: /cgm2\_6/ptodata/1/iaa/6\_COMB.pep:\*

3: /cgm2\_6/ptodata/1/iaa/H\_COMB.pep:\*

4: /cgm2\_6/ptodata/1/iaa/R\_COMB.pep:\*

5: /cgm2\_6/ptodata/1/iaa/RE\_COMB.pep:\*

6: /cgm2\_6/ptodata/1/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score | Match Length | DB ID | Description                               |
|------------|-------|--------------|-------|---|
| 1          | 145   | 100.0        | 29    | 2 US-10-165-873D-3 Sequence 3, Appli      |
| 2          | 145   | 100.0        | 41    | 2 US-08-789-333F-7 Sequence 27, Appli     |
| 3          | 145   | 100.0        | 41    | 2 US-09-159-015-37 Sequence 37, Appli     |
| 4          | 145   | 100.0        | 41    | 2 US-09-133-944-26 Sequence 26, Appli     |
| 5          | 145   | 100.0        | 41    | 2 US-09-208-27-28 Sequence 28, Appli      |
| 6          | 145   | 100.0        | 41    | 2 US-08-787-738-27 Sequence 27, Appli     |
| 7          | 145   | 100.0        | 41    | 2 US-09-157-748-29 Sequence 29, Appli     |
| 8          | 145   | 100.0        | 41    | 2 US-09-880-170-80 Sequence 80, Appli     |
| 9          | 145   | 100.0        | 41    | 2 US-09-626-581D-40 Sequence 40, Appli    |
| 10         | 145   | 100.0        | 41    | 2 US-09-615-755B-40 Sequence 40, Appli    |
| 11         | 145   | 100.0        | 41    | 2 US-09-626-580C-40 Sequence 40, Appli    |
| 12         | 145   | 100.0        | 41    | 2 US-09-749-953-36 Sequence 36, Appli     |
| 13         | 145   | 100.0        | 41    | 2 US-10-043-074-28 Sequence 89, Appli     |
| 14         | 145   | 100.0        | 41    | 2 US-09-285-912A-89 Sequence 31, Appli    |
| 15         | 145   | 100.0        | 41    | 2 US-09-578-030-31 Sequence 74, Appli     |
| 16         | 145   | 100.0        | 41    | 2 US-09-916-940-27 Sequence 41, Appli     |
| 17         | 145   | 100.0        | 41    | 2 US-09-119-381-74 Sequence 27, Appli     |
| 18         | 145   | 100.0        | 41    | 2 US-10-142-662-41 Sequence 23, Appli     |
| 19         | 145   | 100.0        | 41    | 2 US-10-096-550-27 Sequence 32, Appli     |
| 20         | 145   | 100.0        | 41    | 2 US-09-062-530-23 Sequence 14, Appli     |
| 21         | 145   | 100.0        | 41    | 2 US-10-126-873A-32 Sequence 14, Appli    |
| 22         | 145   | 100.0        | 41    | 2 US-10-177-725-156 Sequence 14, Appli    |
| 23         | 74    | 51.0         | 137   | 2 US-09-248-796A-36561 Sequence 14, Appli |
| 24         | 52    | 35.9         | 347   | 2 US-09-997-889-14 Sequence 14, Appli     |
| 25         | 52    | 35.9         | 347   | 2 US-09-098-079-14 Sequence 17246, Appli  |
| 26         | 51    | 35.2         | 279   | 2 US-09-248-796A-7246 Sequence 722, Appli |
| 27         | 51    | 35.2         | 422   | 2 US-09-198-452A-772 Sequence 6565, Appli |

## ALIGNMENTS

RESULT 1  
 US-10-165-873D-3

; Sequence 3, Application US/10165873D

; GENERAL INFORMATION:

; APPLICANT: Hopper, Gang

; APPLICANT: Vyshkina, Tamara E.

; TITLE OF INVENTION: Methods For Detection And Characterization Of

; REagents And Methods For Detection And Characterization Of

; Protein-Protein Interactions, Nuclear Export And Localization

; Of Proteins, Sequences And Inducible Gal4P-Mediated Gene Expression In Ye

; TITLE OF INVENTION: Sequences And Inducible Gal4P-Mediated Gene Expression In Ye

; FILE REFERENCE: 02-133

; CURRENT APPLICATION NUMBER: US/10/165-873D

; CURRENT FILING DATE: 2002-06-10

; PRIOR FILING DATE: 2001-06-08

; NUMBER OF SEQ ID NOS: 42

; SOFTWARE: Patentin version 3.3

; SEQ ID NO 3

; LENGTH: 29

; TYPE: PRT

; ORGANISM: Artificial sequence

; FEATURE:

; OTHER INFORMATION: mitochondria outer membrane signal anchor

; US-10-165-873D-3

; Query Match 29;保守性 0; Mismatches 0; Indels 0; Gaps 0;

; Best Local Similarity 100.0%; Score 145; DB 2; Length 29;

; Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; Query 1 MRSPITRKNTAILATAATGTAIGAYYY 29

; Db 1 MRSPITRKNTAILATAATGTAIGAYYY 29

; RESULT 2

; Sequence 27, Application US/08789333F

; APPLICANT: Rothenberg, S. M.

; PATENT NO. 6153380

; GENERAL INFORMATION:

; APPLICANT: Rothenberg, Garry P

; TITLE OF INVENTION: METHODS FOR SCREENING FOR TRANSDOMINANT INTRACELLULAR

; PEPTIDES AND RNA MOLECULES

; TITLE OF INVENTION: EFFECTOR PEPTIDES AND RNA MOLECULES

; FILE REFERENCE: A642601DUBRMDS

; CURRENT APPLICATION NUMBER: US/08/789-333P

; CURRENT FILING DATE: 1997-01-13

; PRIOR APPLICATION NUMBER: 08/589,108

; PRIOR FILING DATE: 1996-01-23

; PRIOR APPLICATION NUMBER: 08/589,911

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#### OM protein - protein search, using SW model

Run on: March 16, 2006, 15:36:21 ; Search time 195 Seconds

(without alignments)  
36.052 Million cell updates/sec

Title: US-10-600-389A-1.  
Perfect score: 86  
Sequence: 1 MGCTVSTQHGDGBSDP 16

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 2443163 seqs, 419378781 residues

Total number of hits satisfying chosen parameters:  
Minimum DB seq length: 0  
Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 1000 summaries

Database : A\_Geneseq\_21:\*

1: geneseqp19808;\*  
2: geneseqp19908;\*  
3: geneseqp20018;\*  
4: geneseqp20028;\*  
.5: geneseqp2003ab;\*  
6: geneseqp2003bb;\*  
7: geneseqp2004ab;\*  
8: geneseqp2004bb;\*  
9: geneseqp2005bb;\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query | Match | Length | DB ID     | Description          |
|------------|-------|-------|-------|--------|-----------|----------------------|
| 1          | 86    | 100.0 | 16    | 6      | ABPP97556 | Abp97556 Amino aci   |
| 2          | 86    | 100.0 | 16    | 8      | ABPP97553 | Abp97553 N-myristoyl |
| 3          | 86    | 100.0 | 17    | 6      | ABPP97558 | Abp97558 Amino aci   |
| 4          | 86    | 100.0 | 2     | 2      | AAMW69646 | Aaw69646 N-termina   |
| 5          | 86    | 100.0 | 66    | 2      | AAMW69647 | Aaw69647 N-termina   |
| 6          | 86    | 100.0 | 66    | 2      | AAMW69648 | Aaw69648 N-termina   |
| 7          | 86    | 100.0 | 66    | 2      | AAMW69649 | Aaw69649 N-termina   |
| 8          | 86    | 100.0 | 66    | 2      | AAMW69650 | Aaw69650 N-termina   |
| 9          | 86    | 100.0 | 66    | 2      | AAMW74443 | Aaw74443 Human Gal   |
| 10         | 86    | 100.0 | 66    | 2      | AAMW74442 | Aaw74442 Human Gal   |
| 11         | 86    | 100.0 | 66    | 2      | AAMW74440 | Aaw74440 Human Gal   |
| 12         | 86    | 100.0 | 66    | 2      | AAMW74440 | Aaw74440 Human Gal   |
| 13         | 86    | 100.0 | 66    | 2      | AAMW74445 | Aaw74445 Human Gal   |
| 14         | 86    | 100.0 | 66    | 2      | AAMW74441 | Aaw74441 Human Gal   |
| 15         | 86    | 100.0 | 66    | 3      | ABP20745  | Abp20745 GPA1 amin   |
| 16         | 86    | 100.0 | 66    | 3      | ABP20752  | Abp20752 GPA1 and    |
| 17         | 86    | 100.0 | 66    | 3      | ABP20750  | Abp20750 GPA1 and    |
| 18         | 86    | 100.0 | 66    | 3      | ABP20751  | Abp20751 GPA1 and    |
| 19         | 86    | 100.0 | 66    | 6      | ABP20753  | Abp20753 GPA1 and    |
| 20         | 86    | 100.0 | 66    | 6      | ABP10277  | Abp10277 N-termina   |
| 21         | 86    | 100.0 | 66    | 6      | ABP10284  | Abp10284 N-termina   |
| 22         | 86    | 100.0 | 66    | 6      | ABP10285  | Abp10285 N-termina   |
| 23         | 86    | 100.0 | 66    | 6      | ABP10282  | Abp10282 N-termina   |
| 24         | 86    | 100.0 | 66    | 6      | ABP10282  | Abp10282 N-termina   |
| 25         | 100.0 |       |       |        |           |                      |
| 26         | 86    | 100.0 | 66    | 8      | ADI37116  | Yeast cel            |
| 27         | 86    | 100.0 | 66    | 8      | ADI37118  | Yeast cel            |
|            |       |       |       |        | ADI37115  | Yeast cel            |
|            |       |       |       |        | ADI37110  | Yeast cel            |
|            |       |       |       |        | ADS15955  | Yeast GPA            |
|            |       |       |       |        | ADS15961  | Yeast GPA            |
|            |       |       |       |        | ADS15963  | Yeast GPA            |
|            |       |       |       |        | ADS15960  | Yeast GPA            |
|            |       |       |       |        | ADS15962  | Yeast GPA            |
|            |       |       |       |        | AY02220   | Chimeric             |
|            |       |       |       |        | AY02222   | Chimeric             |
|            |       |       |       |        | AY02224   | Chimeric             |
|            |       |       |       |        | AY02225   | Chimeric             |
|            |       |       |       |        | AY02218   | Chimeric             |
|            |       |       |       |        | AY02223   | Chimeric             |
|            |       |       |       |        | AY02219   | Chimeric             |
|            |       |       |       |        | AY02221   | Bacterial            |
|            |       |       |       |        | Aaw16314  | Human thr            |
|            |       |       |       |        | Aaw16313  | Yeast alp            |
|            |       |       |       |        | ABP97554  | Variant N            |
|            |       |       |       |        | ADH51064  | Myristoyl            |
|            |       |       |       |        | ADH66746  | Plant ful            |
|            |       |       |       |        | ABU20638  | Protein e            |
|            |       |       |       |        | AAT49558  | Sequence             |
|            |       |       |       |        | ADT0883   | Plant ful            |
|            |       |       |       |        | ABP14571  | Protein e            |
|            |       |       |       |        | Aau45571  | Thermoc              |
|            |       |       |       |        | Aau9413   | Insulin/i            |
|            |       |       |       |        | Aab48134  | Protein e            |
|            |       |       |       |        | Aab92650  | Putative             |
|            |       |       |       |        | Abu1446   | Protein e            |
|            |       |       |       |        | Abo6180   | Klebsiell            |
|            |       |       |       |        | Adh71280  | Human pro            |
|            |       |       |       |        | Adh71222  | Human pro            |
|            |       |       |       |        | Adh71270  | Human pro            |
|            |       |       |       |        | Adh71276  | Human pro            |
|            |       |       |       |        | Adh71260  | Human pro            |
|            |       |       |       |        | Adh71278  | Human pro            |
|            |       |       |       |        | Adh71280  | Human pro            |
|            |       |       |       |        | Adh71224  | Human pro            |
|            |       |       |       |        | Adh71240  | Human pro            |
|            |       |       |       |        | Adh71246  | Human pro            |
|            |       |       |       |        | Adh71258  | Human pro            |
|            |       |       |       |        | Adh71250  | Chicken N            |
|            |       |       |       |        | Abb97264  | Novel hum            |
|            |       |       |       |        | Adx87734  | Cyclin dce           |
|            |       |       |       |        | Aau89437  | Insulin/i            |
|            |       |       |       |        | Aau53330  | Propionib            |
|            |       |       |       |        | Abm49849  | Propionib            |
|            |       |       |       |        | Abo21787  | Human big            |
|            |       |       |       |        | Abg18865  | Novel hum            |
|            |       |       |       |        | Adx87734  | Plant ful            |
|            |       |       |       |        | Aau35229  | Enteroc              |
|            |       |       |       |        | Aar42281  | GPE2 rece            |
|            |       |       |       |        | Aar42280  | GPE2 rece            |